

Arrangement of the Specification for Plant Patent

The title: PAPAVER supperpoppy hybrid 'Heartbeat'

The above plant is a perennial and is classed for Ornamental garden use only.

The said plant was invented by the author from the following PAPAVER SPECIES CROSS *Papaver somniferum*, PAPAVER atlanticum, PAPAVER californicum, PAPAVER rupifragrum, & PAPAVER orientale. The produced seedling was then crossed with PAPAVER ORIENTALE resulting in a stable, hardy perennial propagated by root cuttings and coming 100% true after 3 generations at trials.

PAPAVER supperpoppy 'Heartbeat' was found by the author in a cultivated area of his nursery.

PAPAVER superpoppy hybrid 'Heartbeat' exhibits some of the best characteristics of P: orientale.

It differs from P: orientale with the following attributes.

More Vigorous.

Stems thicker, sturdy & upright,

Flowers upward & outward facing and of good size in relation to the overall height.

Flower petals thicker and not subject in the same way to scorching or burning by high U.V. Rays.

The plant is in flower for a longer period.

James Peter DeWelt

Signed.....*James Peter DeWelt*..... Date.....*July 7, 2003*.....

PAPAYER supperp ppy 'Heartbeat'

Brief Description of the Drawings.

- Fig #1 Depicts a photograph of a mature flower.
- Fig #1a Depicts the side profile of both buds and flower.
- Fig# 2 Depicts the seed capsule of the above plant.
In comparison to an orientale variety.

PAPAVER superpoppy hybrid 'Heartbeat'

Detailed Plant description.

The plant listed above is an interspecific hybrid seedling from a sowing of seed on September 25th 1997 in the city of Atascadero, in the County of San Luis Obispo, State of California.

The breeding scheme was Papaver superpoppy hybrid x Papaver orientale. The female or seed parent of this sowing being an interspecific hybrid of the species Papaver atlanticum, Papaver californicum, Papaver rupifragrum, Papaver somniferum and Papaver orientale.

Trials were set up in both Mohn's Nursery Atascadero from 1998 to 2001 and at the National Collection of Papaver U.K. at Water Meadow Nursery. England. From 2000 to 2002. Both findings are listed below.

Hardy Perennial Poppy for Ornamental Garden use.

Habit: Upright, with sturdy, erect, tall, stems.

Height: 35 to 38 inches tall.

Foliage Description: Mound forming to 20 inches leaves 'incised' irregular to central vein.

Foliage colour: A good mid green mixed with a little grey, glossy, covered with pale hairs. Royal Horticultural Soc. U.K. Colour chart Green 137A, the nearest colour match.

Flowering Stems: Thick, upright, self supporting, with 'hirsute' horizontal hairs to lower stem and flat hairs to upper part of flowering stem, smaller leaves attached to the stem and irregular medium small bracts under the bud.

Bud: See Fig # 1a Oblong with domed bulbous top and three sepals. Size Ht: 2.25 x 1.25 inch

Inflorescence: See Fig #1. Circular in shape.

Diameter of flower: 5.5 to 7.5 inches

Description of Flower: See Fig# 1.

6 petals, semi double flowers set with three outer overlapping petals and three more upright, inside petals overlapping, the edges to all petals ruffled & slightly pleated, and one or two petals having some serrated edges.

Colour of flowers. We believe this is a new colour break,
Deep Maroon with purple & slight brown tones.

Nearest colour on R.H.S. Chart Red Purple 59A, 59B

Description of flower, side profile: See fig# 1a.

Bowl shaped. Base indented to stem & bracts.

Outside, Vein lines: Black in colour at central base of petal,
forming attractive 'eyelash marks' into 1/3 of the petal.

Height of flower : from base to edge of petals. 3.25 to 4.inches.

Inside flower: Petals overlapping with regular oblong black
coloured blotch towards base.

Flowers lasted: average 7 to 8 days before petals dropped.

Seed or Poricidal Capsule

Very large attractive and adding to the uniqueness.

Measurement of Capsule top, diameter. 1 to 1.5 inch.

See fig # 2, with pronounced indented markings on the top edge of
the pericarp even when in flower.

Colour of seed capsule :Glaucous green blue.

Propagation.

This plant has been asexually propagated by root cutting sections,
producing 100% likenesses to the parent plant, through the 3
generations at trial, it roots readily with 98 % take in cuttings.

Comparisons

As this is a new hybrid. There are no other poppies to compare.
The supperpoppy hybrid shows vigour & good health, producing
may flowers of good size, with thicker petals thus able to withstand
the rigors of U.V. Rays and therefore in flower for longer.